**NOTES**

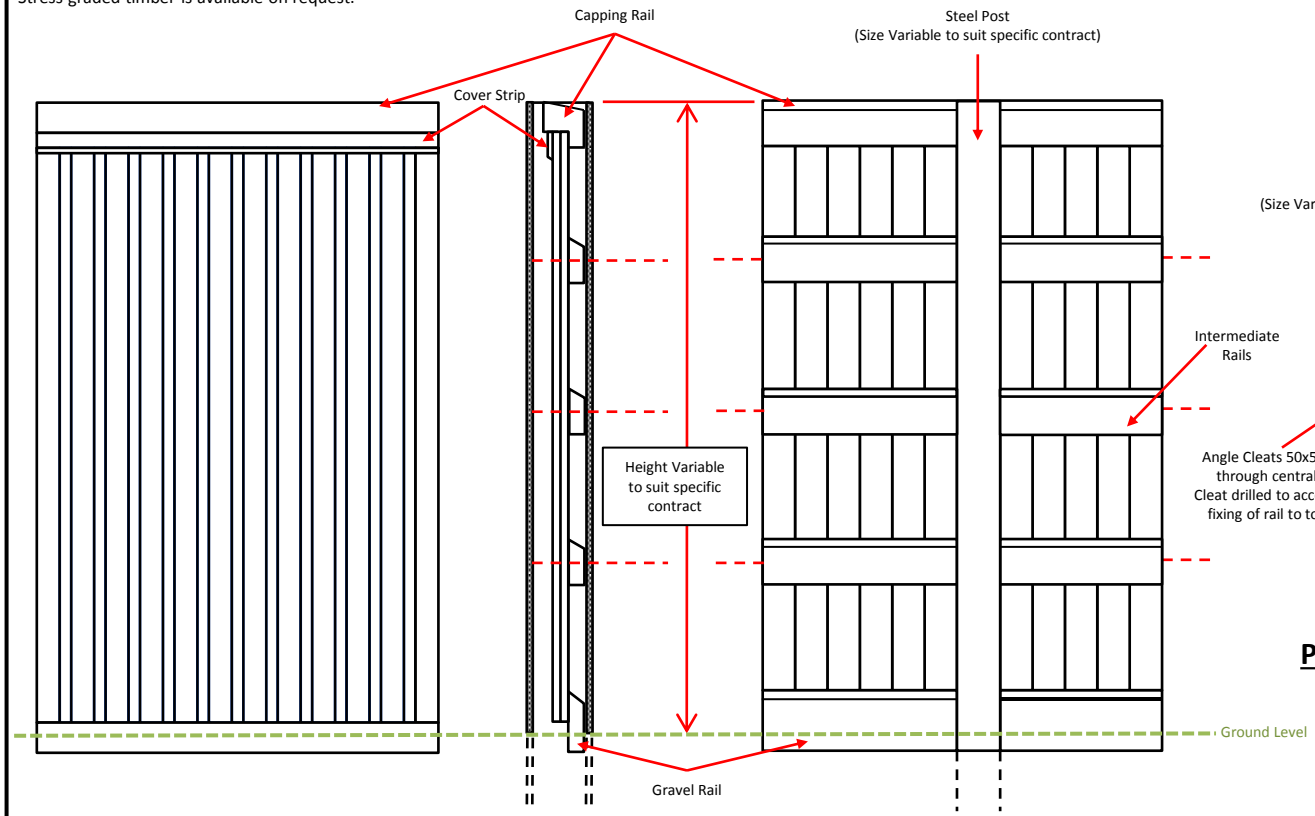
Design of Screen is dependant on individual specifications and the drawing shown is for illustrative purposes only.

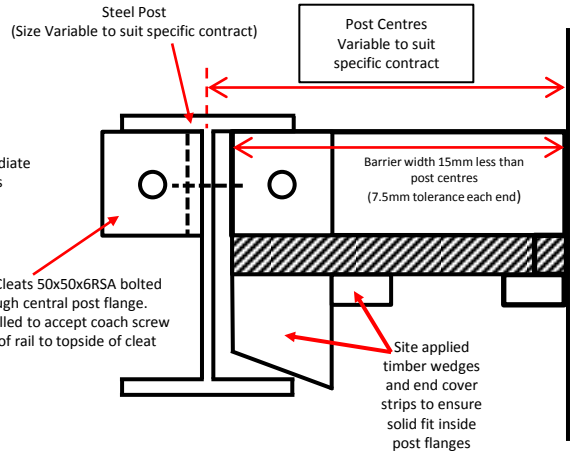
Posts are of steel construction – The exact design criteria for special structures should be specified by a professional designer and qualified for intended purpose by a structural engineer.

Stress graded timber is available on request.

**IMPORTANT NOTE**

Charles Ransford & Son Ltd are not attempting to pass off as designers and therefore do not take responsibility for any persons adopting this design as a structure without seeking professional advice first. Charles Ransford & Son Ltd are manufacturers and operate on the principle of supply what is ordered. It remains the clients responsibility to ensure the ordered materials are adequate and fit for purpose for the intended application




**FRONT ELEVATION**

**SIDE ELEVATION THROUGH POST**

**(Angle Cleats and site applied wedges have been omitted for clarity)**

**REAR ELEVATION**

**PLAN VIEW OF RAIL/POST INTERFACE (Capping Rail & Finishing Strip Omitted For Clarity)**


CHARLES RANSFORD & SON
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***Noisewall*© Single Sided Reflective Timber Sound Screen On Steel Section Posts**
*(for illustration purposes only)*


**This Drawing is the Property of Charles Ransford & Son Ltd And May Not Be Copied Or Reproduced In Any Way Without Prior Written Permission.**


**Scale**: Not Applicable

**Drawn**: RAM | **Date**: 26.08.12

**Checked**: RAM | **Date**: 02.09.12

**Drawing No**: RANS/Noisewall©/Steelpost/001

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Issued by University of Salford (Acoustics Test Laboratory)
UKAS ACCREDITED TEST LABORATORY NO. 1262

**BS EN 1793-2 : 1998**
**Acoustics- Road traffic noise reducing devices**
**Test method for determining the acoustic performance**

**Client:** Charles Ransfords & Son Ltd
Station St
Bishop's Castle
Shropshire SY9 SAO

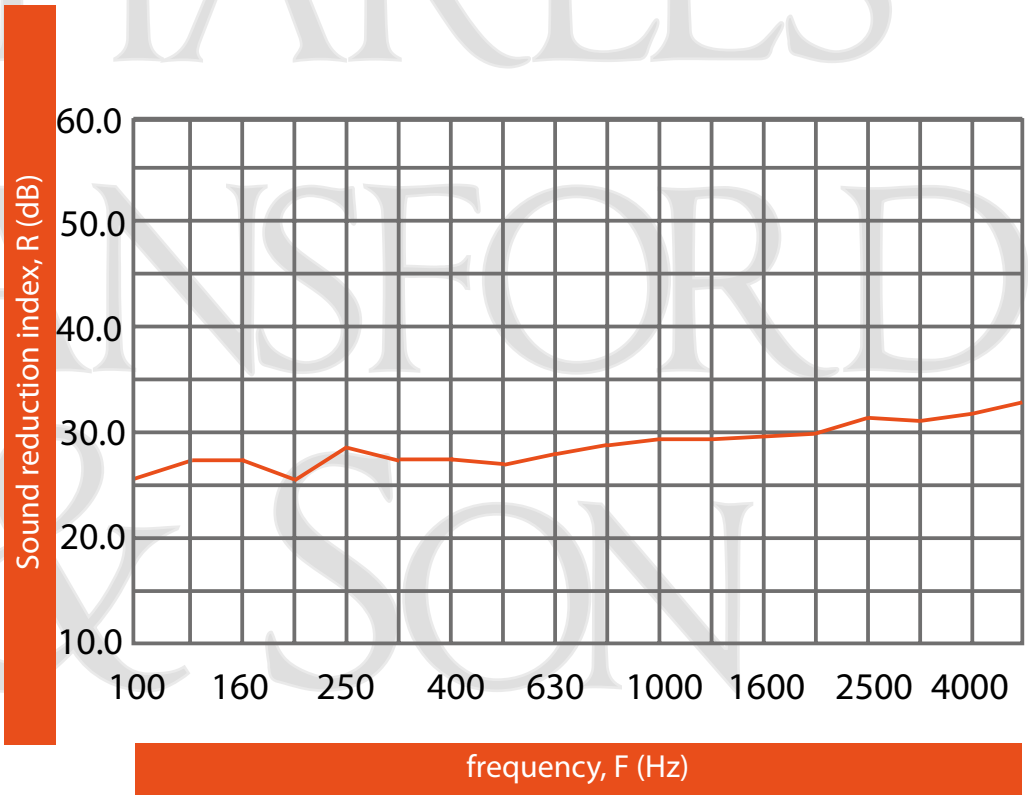
**Object:** **Noisewall**© - Single Sided Reflective Barrier with Vertical Boards & Cover Strips

| **Source room:** | | **Receiving room:** | |
|---|---|---|---|
| **Volume:** | 136m³ | **Volume:** | 220m³ |
| **Condition:** | clean | **Condition:** | clean |
| **Type:** | small reverberation room | **Type:** | large reverberation room |
| **Location:** | acoustic transmission suite | **Location:** | acoustic transmission suite |

**Temperature (°C):** 21.1
**Humidity (%):** 53.4

$DL_R$ = 29 **Category:** B3

| Frequency Hz | R |
|---|---|
| 100 | 25.5 |
| 125 | 26.6 |
| 160 | 26.9 |
| 200 | 25.9 |
| 250 | 28.1 |
| 315 | 27.4 |
| 400 | 27.7 |
| 500 | 27.0 |
| 630 | 28.4 |
| 800 | 28.8 |
| 1000 | 29.1 |
| 1250 | 29.0 |
| 1600 | 29.4 |
| 2000 | 30.0 |
| 2500 | 32.1 |
| 3150 | 31.8 |
| 4000 | 32.6 |
| 5000 | 33.0 |




**Test reference number:** 44-18 **Date:** 17/06/10